INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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100 North Senate Avenue
P. O. Box 6015
Indianapolis, Indiana 46206-6015

(317) 232-8603
(800) 451-6027
www.IN.gov/idem

June 23, 2003

Mr. David L. Gawthrop
Robert Weed Plywood - Moldings Division
57784 County Road 3 South
Elkhart, IN 46514

Re: 039-17741-00282
Fifth Administrative Amendment to
Part 70 Permit T039-7432-00282

Dear Mr. Gawthrop:

Robert Weed Plywood - Moldings Division was issued a Part 70 Permit on August 31, 1999 for a wood molding and surface coating operation. A letter requesting the following change was received by IDEM, OAQ on May 13, 2003:

(a) The source currently has a paint booth that is operating as a laboratory and is considered a insignificant activity. The source now wishes to use this booth for a production process. The potential to emit from this booth in its new capacity are 4.76 tons per year (tpy) PM, 1.87 tpy VOC and 0.0389 tpy HAP. Therefore, the booth will maintain its insignificant status. The requested change will therefore be viewed as a descriptive change. Pursuant to 326 IAC 2-7-11(a)(7), an Administrative Amendment to Part 70 Permit T039-17741-00282 is hereby approved as follows:

(1) One (1) spray paint booth, uncontrolled.

(b) Pursuant to 326 IAC 6-3-2 (Process Operations), the paint booth is exempt because it uses less than 5 gallons of coating per day.

The paint booth is not a specifically regulated insignificant activity, therefore it will not be added to Section A.3 of the permit, therefore, there is no need for the Title V permit to be revised.

All other conditions of the permit shall remain unchanged and in effect.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Alic Bent at (973) 575-2555 x3206, or call (800) 451-6027, press 0 and ask for extension 3-6878.

Sincerely,
Original signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
AB/EVP
cc: File - Elkhart County
Air Compliance Section Inspector - Greg Wingstrom
Compliance Data Section - Karen Nowak

Technical Support and Modeling - Michele Boner
Administrative and Development

Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations

Company Name: **Robert Weed Plywood - Moldings Division**
Address City IN Zip: **23551 Cooper Drive, Elkhart, IN 46516**
Permit ID: **AA 039-17741-00282**
Reviewer: **Alic Bent/EVP**
Date: **June 19, 2003**

Material	Density (Lb/Gal)	Weight % Volatile (H20 & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency
W-B Topcoat	8.1	11.94%	0.0%	11.9%	0.0%	32.96%	0.00313	133.330	0.97	0.97	0.41	9.73	1.78	4.59	2.95	65%
Water	8.3	100.00%	100.0%	0.0%	100.0%	0.00%	0.00125	133.330	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65%
Aqua-Chem Lamp Black	9.2	22.49%	0.0%	22.5%	0.0%	0.00%	0.00000	133.330	2.06	2.06	0.00	0.03	0.01	0.01	0.00	65%
Aqua-Chem Organic Yellow	10.0	22.80%	0.0%	22.8%	0.0%	0.00%	0.00002	133.330	2.28	2.28	0.01	0.16	0.03	0.03	0.00	65%
Aqua-Chem Burnt Umber	12.5	14.16%	0.0%	14.2%	0.0%	0.00%	0.00002	133.330	1.77	1.77	0.00	0.12	0.02	0.05	0.00	65%
Aqua-Chem Titanium White	17.5	10.06%	0.0%	10.1%	0.0%	0.00%	0.00002	133.330	1.76	1.76	0.00	0.08	0.02	0.05	0.00	65%
Aqua-Chem Red Iron Oxide	14.2	12.43%	0.0%	12.4%	0.0%	0.00%	0.00002	133.330	1.76	1.76	0.00	0.09	0.02	0.04	0.00	65%
Uncontrolled Potential Emissions											**0.43**	**10.22**	**1.87**	**4.76**		

METHODOLOGY

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)
Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)
Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hr/yr) * (1 ton/2000 lbs)
Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) *(8760 hrs/yr) *(1 ton/2000 lbs)
Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)